

AMENDMENTS TO THE ABSTRACT

Please substitute the following paragraph(s) for the abstract now appearing in the currently filed specification:

In a packet retransmission system for retransmitting a packet where a sequence number is added between the transmission apparatus and the reception apparatus at a loss of the packet in packet transmission, a transmission apparatus ~~101~~ for transmitting the packet, a reception apparatus ~~102~~ connected to the transmission apparatus ~~101~~ through a network ~~104~~, and a requestor (application) ~~103~~ connected to the reception apparatus ~~102~~ are provided. The transmission apparatus ~~101~~ includes a retransmission buffer for storing the packet having been transmitted to the reception apparatus ~~102~~, retransmission-request receiving means ~~106~~ for identifying the sequence number and the largest sequence number in a retransmission-request packet received from the reception apparatus ~~102~~ and notifying the sequence number and the largest sequence number, retransmission packet detecting means ~~107~~ for detecting a packet to be retransmitted based on the notified sequence number, and retransmission means ~~109~~ for retransmitting the packet to be retransmitted to the reception apparatus ~~102~~. The reception apparatus ~~102~~ includes a reception buffer for storing the packet received from the transmission apparatus ~~101~~, receiving means ~~110~~ for storing the packet received from the transmission apparatus in the reception buffer with sorting the packet in order of the sequence number, packet loss detecting means ~~111~~ for detecting a packet loss, retransmission sequence number adding means ~~112~~ for instructing to add the sequence number of the detected lost packet to a retransmission-request list, retransmission-request list managing means ~~115~~ for adding the sequence number to the retransmission-request list based on the instruction to add, retransmission-request transmitting means ~~114~~ for putting the sequence number stored in the retransmission-request list, in a retransmission-request packet and sending the retransmission-request packet to the transmission apparatus ~~101~~, and packet providing means ~~119~~ for providing the packet in the reception buffer to the requestor ~~103~~.